

# LabPure™



## The centralised laboratory purified water system for a suite of laboratories or a complete building

Environmental Water Systems (UK) Ltd introduce their new integrated Reverse Osmosis, ultraviolet light and filtration system capable of producing laboratory or analytical grade water which is distributed to a number of points of use via a pipework ringmain. The water can be used directly or further purified.

- Meets BS 3978, ASTM, NCCLS, ISO3696 standards for Type III grade water
- For demands from 200 - 1000 l/day
- High recovery RO for significant water savings and running costs
- Integrated 254nm UV lamp and 0.2 micron filter for constant bacterial control
- Integral treated water tank
- Variable flow distribution/recirculation pump to meet variable distribution loop lengths
- Microprocessor controlled
- Compact system the size of a three drawer filing cabinet

The LabPure is a compact water system capable of providing general grade laboratory water suitable for the following typical applications:

- Final rinse of glassware
- Hydroponics
- Feed to laboratory equipment (autodaves, weathering and stability chambers)
- Feed to Ultra Pure polishing unit
- General reagent preparation

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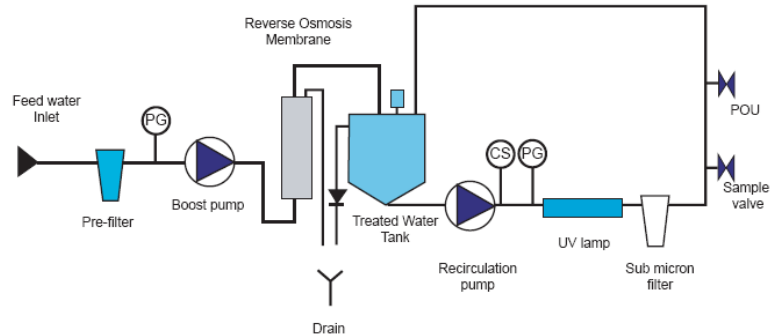


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Total Capability in Water Purification and Water Treatment



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## Flow diagram



## Technical specifications

### Performance specifications

Conductivity  
Organics  
Bacteria  
Partides

Typically < 30  $\mu\text{S/cm}$   
(> 100 daltons) 99% removal  
< 10 CFU/ml  
< 0.2 microns

### Product specification

Product production rate @ 10o C  
Product delivery rate  
\*Recovery rate (max)  
Dimensions: H x W x D  
Shipping Weight (approx)  
Inlet pipe dimensions  
Outlet pipe dimensions  
Drain from RO  
RO Pump motor  
Delivery/Redcirculation pump  
Operational modes  
Bad,

160 l/hr / 320 l/hr / 480 l/hr  
Up to 35l/min  
75% (based on soft water feed)  
1000mm x 600mm x 600mm  
90 Kgs  
1/2" BSP  
1/2" BSP  
12mm  
0.55 kW  
0.95 kW  
Power On, RO On, Service, Water Good, Water

Permeate and concentrate flows, Inlet, Outlet and RO pressures

### Feed water specifications

General

Total Dissolved Solids  
Free Chlorine  
Temperature  
Pressure  
Silt Density Index

Potable water free from organics, colloids and suspended matter  
< 1000mg/l  
< 0.1ppm  
5-40°C  
2-6 bar  
< 3 SDI units

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